

1.69	including cutting and laying in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specification No.301 Loading and unloading with 10km lead= (1 No-19, 14, P No-143)	Cum	56.26	Rupees Fifty Six and Twenty Six Paise Only
351.69	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1.4.2	Cum	5408.12	Rupees Five Thousand Four Hundred Eight and Twelve Paise Only
351.69	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum, coarse and fine aggregate conforming to IS:383-2016, with superplasticiser @ 3% conforming to IS9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weight batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rammers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour, hire charged of machines, all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum Pg No.176 Item No.22.6.1	Cum	5210.96	Rupees Five Thousand Two Hundred Ten and Ninety Six Paise Only

by the PWD & Other specifications of the Bangalore

1. The work should be executed as per the specification and standard specified by the PWD & Other specifications of the Bangalore

Mahanagara Palike and as directed.

2. The work should be carried out as per the directions and instructions of the concerned Engineer

Chandrashekar
Executive Engineer (Byatarayanapura)
Bruhath Bangalore Mahanagara Palike

3. The Contractor should maintain the quality of work as per the standard specifications.

28/11

am prepared to take up the above work at the rates quoted by me in the Schedule 'B'.

[Signature]
EXECUTIVE ENGINEER-4
KARNATAKA BBMP DIVISION
CONTRACTOR
BENGALURU-560 010

BILL OF QUANTITIES (BOQ)

Work:- Construction of RCC drain cement concrete road and missing covering slabs mandamma Layout and surrounding ara in Ward No.10

Approved Qty.	Description	Unit	Issued to	
			Technical Manager, KRIDL	In Words
			In Figures	
60.68	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. Page No. 139, Item No.18,18 and Pg No.136, Item No.17.4,17.1 (5km lead = 57+2*1.28X5)	Cum	660.22	Rupees Six Hundred Sixty and Twenty Two Paise Only
9.45	KSRRB M200-15.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts as per specifications. ii) Dismantling Stone Masonry. B. Rubble Stone masonry in cement mortar.No. KBS Pg No 140 ,Item No 18.27.	Cum	441.86	Rupees Four Hundred Forty One and Eighty Six Paise Only
640.64	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH/ Chapter 3 complete as per specifications and directions of the Engineer in charge.	Cum	207.60	Rupees Two Hundred Seven and Sixty Paise Only
61.67	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1. 4.2	Cum	5505.64	Rupees Five Thousand Five Hundred Five and Sixty Four Paise Only
156.97	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machine mixed, well compacted for wall and Bottom including centering shuttering, cost of materials.HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH Specification No. 1500, 1700, 2200. Including Cost of material. Labour. HOM complete as per Specification-WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)	Cum	7070.20	Rupees Seven Thousand Seventy and Twenty Paise Only
10.13	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2	tonne	72326.98	Rupees Seventy Two Thousand Three Hundred Twenty Six and Ninety Eight Paise Only
646.35	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of all materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc	Sqm	2337.00	Rupees Two Thousand Three Hundred Thirty Seven Only
79.8	labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,complete. (Data Rate)	Sqm	5418.00	Rupees Five Thousand Four Hundred Eighteen Only
467.20	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jellly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery. loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge	Cum	1022.74	Rupees One Thousand Twenty Two and Seventy Four Paise Only
8	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials separately complete as per specifications. MORTH Specification No. 202(P.No.140- I.No.18.47) & Pg No.136, Item No.17.4,17.1 (5km lead = 57+2*1.28X5)	Cum		